

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:163	Early	LPZ-099	AGGTGACCGTGGACAACTCTAGAACAGGCATAGCTTTCATGTTCACTTGTGTTTTAA AGAGCAGTCCTCGCAGCAGATCGTGCAGCTTCCTGCTTCACTTCGGTTGATTTTCC TGATCTGAAATACCCGTAACTTGCTGAAGAACCCAAATACTTAATAGCGTCTCTAA ACAAAA
SEQ ID NO:164	Late	LPZ-100	AGGTGACCGTGCCTGAAACCAAAGAGAATGACAAAAGCGTCATTCACTGCCCCAA CTAATGTGTTTGTCACTGGAGCATTATACTAGAGCTATCTACAAGCCAAAACAGTG TTTGGGAGAGATTCCATAACGTCATTGCCTCTGCTACACATCATTATTGGTTCCAA TAATGAAGCCACGTGCTAAGGACATTGAGAGAATCTTATAAAACAAGAAATATAGTA AATTGGGAAATGCATTTTATCGTCTAACCTGCTTTCCTGAAAGTACTTGGAGAAACA AAAACCTTGCTATTAAATGGCTCAAACAACCTTGATAAATGCCGCAGAACTTAATTC TGAAATTTTGGCAAACATCAATAGCGCGCACTCTTCAAATATAAAACCTTGGAGAAG TCTGTATAGCAGCTCACATGGTCATTCTTAATTCACACCATGCAATTATTCATCCCTT TACTTGCAAGAACTTTATAACTATTCTGGTTCACCGATGCAGTTGTTATCTCAACGT TTCCCATTTGTATGATCTTTGAAAATATAGATAAAGTTACTCGTTTGCACAGTAGCTC CATATTCTGCAACCTTCAATTTGGATACTGAACCACTTGCACATTCCAATCATGTC TTTAACTTCAGTGTTTAAGAGTATGCTTAGTTTTACAACTTTTAAAGTCTTCCCTA GCTGTAACGGTCAC
SEQ ID NO:165	Middle	LPZ-101	AGGTGACCGTAAAATACCATGAGAAATGCTTTCATCAGGCACCGCTGGTAGGTTTT CTTAAGCTTTTCATTAGGCCAAAAGAGGCTCCGTGAGTTGATCGTTAATTCTCTCCTT GAATGCCATATTGACCAGACACTCTGATTAGAACTGGAATACAACCTGCACATATAG TCATTCTATATGATTCATCCTTCTGCACTTCAGCATCCTGCGGCAACTCTTCATCCC GCCATACTGAGAAAAATTATTTGACTCTTGATCATGTGTAGATGAATCTTCATGAAT CTTCTCATCTTCATTCTTGCTTTATATCTTTAGGAAGTGCATCTGGTAAAGTATAA ATGCATCTTCACGGGTGCTTCAGTTTTTGCATGCTCCCGGTTCTTCTTGTGTTAGCAT GTGGATCTAGCAAATCACTAAATGTAGTTCTCTCAATTGGTCTGGTGGAAATTCTCC TCAATTCGAGAATTACGAATCATCATACCTGAGTAATATATGTTGCCCTGTACATGC ATATGCTGGTTTTTGGCTCCACCATCTCCAAAGGGCTCAAAAACCTATGCGACCCC TGGTTGCCGTAGTGGAAGGTTATACATTGCGTTCCAGTAGCCACGGTCAC
SEQ ID NO:166	Middle	LPZ-102	AGGTGACCGTGGAGGGGCTCCACTTATATGCATAGATGATGCTGCGAGGCTGTGT TCATCTGGTCCAATGGAGAAGGGGAAGACCAAGTGCCTATCCTGATTTTGGTGCC GCTTGTTCTGGTGTACAGAATATCAACCCAGGGTATGTACCATCACTTCGTGAGAC GTTACATTTCCCACTTCTTGGTGGAGCTGGTGGAAAGCCTGGAACCTCATCAAT CTATCGTTGGTGTGAGGATGATCAGGCTCTGTACTTATATCCACATGTAGTGCAGC AGGTGGTGGAGATGTCTCTGATAAGTTGGGGGTTGATACTGGTTTCGTATCATTTGC AGTGATGTTCCCCCGCTGCCCTTAATTGCTATTGATCCATCATTAACATAGGTTTT TACTCGCCCCGAATAAGACAATCTTTTGACACTTGTTGCTTGGGTCAC
SEQ ID NO:167	Early	LPZ-103	AGGTGACCGTGGCGCCTGACCTGTGCAGAATCCATTCTCATGGATACAATACTGTT AAGTTTGCTTTGCTTTGCTTGAAGGATCTGAATTGAAAAATTGTCCCCACAATTCTG TTTCGTTAAAAATGACCTCAATCACTCTCGACAGTTTCCAGATCTTGATTGGGAGCG TCCTCTCCTCTCTCAAGATGTTGTTGACCAAATTCAGGGCGACTTGTGGCCAGAAA TCGTACATTCTGCCATCTACCTGTTATTGAGCTCCCCGATTATATGCGCTTTTGAC GGTCAC
SEQ ID NO:168	Middle	LPZ-106	AGGTGACCGTCAATACCATTAACTGGGGATTCTGTCTCAACAAGTCAACATGCTAA CCTCACAGCTCCAATCAAACAACGTCCGTGCAAGGGCGCTCACACTCATCCAAATT ACTTCCCTCTGCAAGACTCACAAAATCAGATTCTTCATGAATTGCTCAAACGAGGCT GTTATGGATGATGCAGCTGATTACTCAAGTGACAGCACTCTGAATCCCCGTCCCAT ATATAGCGACGCGGCGTTTCAGCCGTGACTGGTCGCAACAGCCTCAGTGGGACAA AAGGCCAGAAGCCCCCAAGGTTCTCACGGTCAG

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:169	E.L	LPZ-107	AGGTGACCGTGTCGATGTTGTTAGATGTGATTAGGGTTTTATTTCTTGATACAGATG CACTGTTTCTCTGTTTATTCTTTTATTTCTTCAATGTATGTTGTCAAATTATACTTAGT CA1GATCTCCTTTTATCGTTTCGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAG TTTAACAATTAAAGGGGAAATTAGGCCATATCAGCTTGTCTGATGGACCCACATGC ACTGTAGGTCAC
SEQ ID NO:170	Middle	LPZ-108	AGGTGACCGTATGCAGAGTCAAGGTTTAGTTCCCTTCAGAGCCTGCCCGAGTAGCA CTGAGGCAGCTCAAGCCATTTACAGTAGGAAGCCCAACAACAAATAGAAATCAGAG TGAGTCTTTGATCGAGTAACCCATAAGTTCTTAGCTCCCGTTCCATCTTAACATAAG CATTTTTCTTCGTCTTCTCGCAGCCGT
SEQ ID NO:171	Late	LPZ-109	ATTGCAGAGGACTTAGAGAGGGAAAACCGTTCCGATCTGGTGAAGCAATTGGATGA AGCGCTCTGGAATTGATTCCCGTTTCTGATGATATCGTACGGCTAAGCTCAGCTCT TCAGGCATTGGCAGACAATACGATTCTTCAAATGAGATGACAGATTTTAAGAACTT ATAGGATGACATATTTCTAGCTTGAAGCGGATTCCCCCTACGGTCAC
SEQ ID NO:172	All	LPZ-110	AGGTGACCGTCCGATAAAGGATGAGAATATAGGTAGATCAACCCAAAAACACTCTC AGAAAACGATTAAAGCCTAACCCCAAGATCGTTGAGTAAATTTAACCCGGTAACCTC CACATAAAATATACTTAGCAACAATAAACTCAACAATAAACTATCCCTTTAAATTA AATTATCCTTATTTATTTAAAAAACAAATCCTTTATATACTAAGGTCCCCTGCACAT CTATTACTAAGGTAAAGGAAGGGAATTATATGCTATCATTGTAACTTTGACTTCCG TATTTATGATCAGACCATGAGTTTGATAATTAATTTTACGCTCTTACTCCCCATTCA AGGCACGTGCCTGGTGATATATGAACGCCAAATTATT
SEQ ID NO:173	Late	LPZ-111	AGGTGACCGTAGAATAACAATCTATGTATCAAATGCTAACAAAGAGAATTTGTTGTC TAGCTTGTAATATACAAAAGAACTCTCACAAGGAGTGAGAAGCACTAAGGCCCT TGGAAGAATACGTTTCTATTTCAGCGGAGTGATTTTGAGCTACGGCTTGGCACAA CTCATCCTATAAAACAAGACTCTGTGAGAGGGCAGAGACCTTGATCCTGGGCGTG GCAAGCCGGGTGCCTATTGCGGTAAAATCGAGAAGGGGGACCTGGAAAAGAGAG GCTGAAATTTGTTTCATTCTGCAACTGAAACCTAACCGGAGGCCGAATCTGATCATT TCTAAGACCTTTGGGGTCCCTGGGCATCCCATTAAGAAGACGCTGCTAACTCTCCCC TCCACAAAGGGCCAATGCGCTCAGGTGCGGCTTCTCATCTTCACATTTCTTGCCGA AATCTATCTGAATTTGTTGTATTGAATAACACTGCCTCCTACACGGTCAC
SEQ ID NO:174	Late	LPZ-112	AGGTGACCGTGGGCGCCGTGGCTCAAAAGGCCCTCGCAGACGCCCGCTCCATCA AGCTCATGGGCCCCCTCCACCCTCGGGGGGCAAGCCGGGAACGTTGCTGTGAGA CGAGGCGAGGACCTGGAAGTCCGTTGAAGGAACGTTCTATATTCAGCCCCTCT CGGCGGACCAGGCGCTGCGAGAGCCAAGGAATCCGCGGAAGCAAATCCTGGAGG TGAAAAAGCTGATAGATAAAAGGCGTGCCGTACGTCCAGAACGACCTCCGCTCC AAGGCTTCTTACCTTCGCTACGACTCAACACCGTTATCTCCTCAAAGCCCAAGGAA CAGAAAAAACCCTCAAACCTCACCCCAAGCTTTTTTGACACCCTTGACAAACCT GGAAGTACGCTGCAAGGAGCCAAGGATACCCCAAGGGCAGAAAAAATACTTTGCAG AAGCTGGTGAACCGCCCTTAATGATGTTTCAATCAAGCTTGGTTAAGCTGTATTGC ACTCATTGTTAACCACACTTAACGCCAATCCAATCTATGCTGTGTTGCATCTCCACT TCTTAGTTAATAACGTTCTGTGTTCCCAAACTCTGTGCCACACACGGTCAC
SEQ ID NO:175	All	LPZ-114	AGGTGACCGTACAATACAAATAGGTAGTTTATCACATTGTAGCTTATAGAATGTACA ATTGAAATCAAATAAATTCAACCAAACTCAAATAATATGATCATGTGCTCCTCACCTT CTCAGCAAACCTCGTAGAGCAGAAAAAGGATTATGTTAAATCACAGTTCACACATTA GGGTAAATCCCACTAAATGACCTCTCTTCAATATCCAAGTATCTGACACCAACATAT TTCAAACAAATAGTGCAAAAAGGAATGGTGAAGTAAATAGTCAAACTAAAAATA AGCTTAAATTTCTCACATGTTTGAATATGTGCACCACAAATTTTGTAGTGTATCA AAATGCATGTAATCAACTTGCCGTGTATATAATTTACACAATATCCGTAAATTTTG CAATTCCTTATGAGCATTTTCATGTCTAGAGATTGCAATGACTTGGCTACAAACATGT TTCTCTACACAAGATCACAATATTTAGTCAGGACACGAATTGCAATGGGGATTCTCA CAAGCATCACAAGTCATCTCCCATGTACTAAAAAATTGTTTAAAT

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:176	Middle	LPZ-115	AGGTGACCGTATAGTGCATATTCAGATTGCAATTACAGACGTATTAGAACCAGATTT TCGCTTCGATACAGCTCATCGAGAGCAACAGAGATCCAGATCAAAAACCAGACACA GTTTAAGAACATCGAAATACCAAGCCCAGGGACAGTTACCAGCATATAGCTCTACC ACCAACAGATTATTACAGAACCAAAACATAAGACCACTTGCAGACAAAAATAAACCC TAACGCAGAACGTGGCAACTATCTCCTCCAGCTACCACCATCGGAACCACCACCAC CATAGCGAGAACCCACCACCACCATAGCCGCCACCGCCACCACCATAACCACCA CCACCACCACCCTGTACCGCCACTACCGCCATAACCACGGTCAC
SEQ ID NO 177	E,L	LPZ-116	AGGTGACCGTCCTTGGAGATACCAGCTTCAAAACCTCCAGTGGTGGAGTCGATGAT CAA1ACTGCACAGTCAGCCTGAGATGTTCCAGTAATCATGTTCTTGATAAAATCACG ATGGCCGGGGCATCAATCACAGTGCAGTAGTATTTAGTTGTCTCAAACCTCCAGAG TGCAATATCATTGTGATACCACGGTCAC
SEQ ID NO 178	E,M	LPZ-117	AGGTGACCGTATAGTAGGAACTTTAGGTGCTTTGGTGGCACTCTCCAATTTTCATG TCCTTACATACCCCACTACGGAGAAGGGTAGCCCAAGATTTGAACCCAAGACTTCC GGTTCGTGAGACTTCATTTCCACGGTCAC
SEQ ID NO:179	All	LPZ-118	AGGTGACCGTAAGATCAAGAGCACAGAAAGCAGCCATAGCCCCGCCATTGAATG CCCATACAATAATCTGTAACCCATCTCTCTGTTTCTGAGCTTTCTGAACTGCTTCT ACAACAGTGGTCGTAAGGTTGTGTTGTGATAAGCAGAGTAAATCCATAATGTACC ATTGCACCAGCATATTAGGATAGTTGAGATCAAGTGTCTTACAGAATAAATCCTCCA CCCAATTCTGTAGCTCCTTTCTTGAGTACCCCTGAATGCAATTACAATTGCATTGAT ATCTTCTGCCACACCACAAAAGCCTGAAGGCAGTGTGTACATCAACTATAAGCTCT ACCACCTGAAAACCCAGTCAAACCATTTGCACCTAGAACAAGTCCAAGACATTAGA GCACTCAAATCATCCATA1AGACCGCAGAAGCATATTGCACAAGTATCTCAGCAAGT GTTTCGATTATAGACATGGCCA1GGTCAC
SEQ ID NO:180	Middle	LPZ-119	AGGTGACCGTGAGGAGGGGAGATTTTTGATTTATATTTCCAATATAAAAGAAAATCTA NGTTGTAAGGACATGGCAAGAGCTCTTATTTCCGGGGTTTTAGCCGTGGCCCGGA GCGGATGAAAGCAAATGTAAGTCACTCCGTGCTTTCTCGGCATTTGGACGCTTCTA CTCTACCGCACTACAGACGGGATTGAACCTCGCATCTCTGAGTGTGTTGGTCGTTTA CATGGCGGACTTGTTCCGCACCTCTGCGGACGTCAAATGCCGCGACGATAATCCC TTTGAGAACAGCGATACGGCAGAAAGATCGCCGTTGACGAAGCGAGAAAACCTATTG AGACTTGCAGATGTGGAGCTGAAGAAGAGCTTGAGTCGACGGTCAC
SEQ ID NO:181	Middle	LPZ-120	AGGTGACCGTCCGTTCCGGGGTGTATTGTGCAACACGTAGGATGGTGCTACGTTGA AACCACCGTTACCTTCTTCGATATGTTATAGTTTCGAGTTCATACGGAGGGAATACC GTTTGTAGTGTTATTCAGCACAAACCCGTCCTGATTAAACACCCCCGCAACCAAGG ACGTATTCGACGTTCCGGTATTGTTTGACACACTCAAGTTATAACCTGAATAGGCG CTACCCGAAGTAAGCATTGTACCAGTCGTTATTTTTGCCTTCGTATTGCGAAGGATT TTGAAATATATCCGGACAGGCTGCAACCGATCTTCATAAACTCTTTCTTAACTGA GCAAACCTGAACAGCATTAGCATTTTGACCCGACCTTTCATCGGCACCTGCTGCACA CCCGCATACGTATTAAGCTATGTTTCGTCTGGCCAGGTTTGCCTTTTTTGGTTGTAA TCAGGACAACGCCGTTAGCCGCCCGCGATCCGTAGAGCGACGTAGAAAGCCGCAT CTTTCAGCACGGTCAC
SEQ ID NO:182	Late	LPZ-122	AGGTGACCGTGAAATATGTGGGAGATGATATGTGGTTTCCTGAATATTCACCTCTT GTGTAGAAAAGTGAGATCCTTAAGATGTTTTGCTAATAAGACTCTTAGGAATGTTGG ACCCCTTTCAGAATGCCATTTGAATAGATTCAAGGTGGTAGCTGTTGCCTGGGGCT GTTTATAGGGTTTTAGGCCATGCTCTGTAATTTTCATTGAGTCAAATGGATTAACTG GTGTCTTTTACCTCATAATAGCTACTGCAGTATTTGTGATATAGCTTCCCTATTTAT TGACTCTCCTTAGGTACGGTCAC

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